



Open Educational Resources at UNH

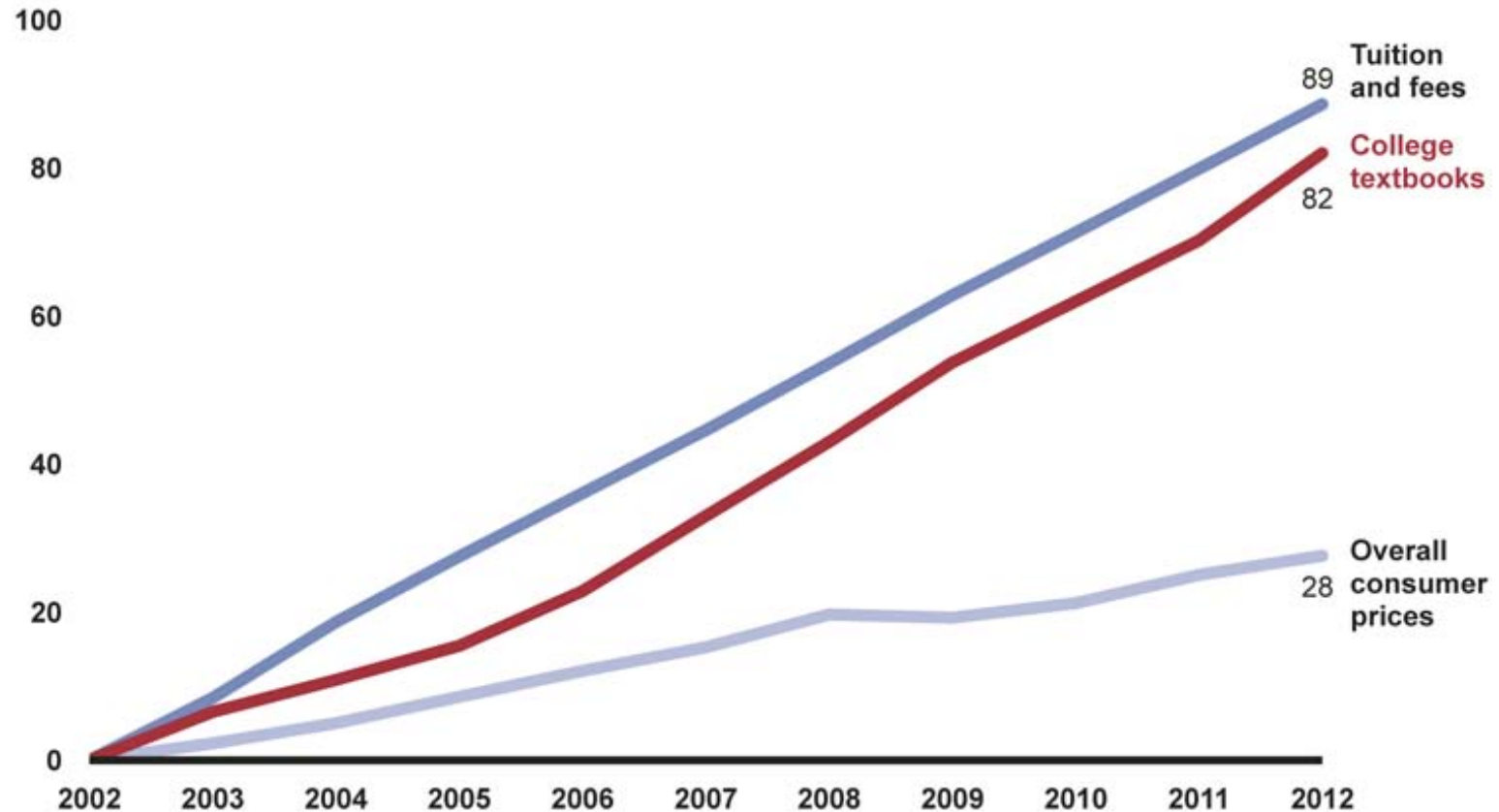
Open Access Week

October 26, 2016

The Problem

Figure 1: Estimated Increases in New College Textbook Prices, College Tuition and Fees, and Overall Consumer Price Inflation, 2002 to 2012

Percent increase since 2002



Source: Bureau of Labor Statistics' Consumer Price Index data.

\$1,328

Average student budget for **books and supplies** for the 2014 – 2015 academic year

10.2% increase over 2013 – 2014 budget of \$1,207

Source: College Board

<http://trends.collegeboard.org/college-pricing/figures-tables/average-estimated-undergraduate-budgets-2015-16>

2 in 3

Students say they decided against buying a textbook because the **cost is too high**

Source: Student PIRG

<http://www.uspirg.org/reports/usp/fixing-broken-textbook-market>

1 in 2

Students say they have at some point taken **fewer courses** due to the cost of textbooks

Source: http://www.openaccess textbooks.org/pdf/2012_Florida_Student_Textbook_Survey.pdf

The Problem

Students **can't learn** from materials they can't afford.

A Solution – OER

Open Educational Resources are teaching, learning, and research resources that reside in the public domain or **have been released under an intellectual property license that permits their free use and re-purposing by others.** OER include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge.

The William and Flora Hewlett Foundation -

<http://www.hewlett.org/programs/education/open-educational-resources>

What are we doing at UNH?

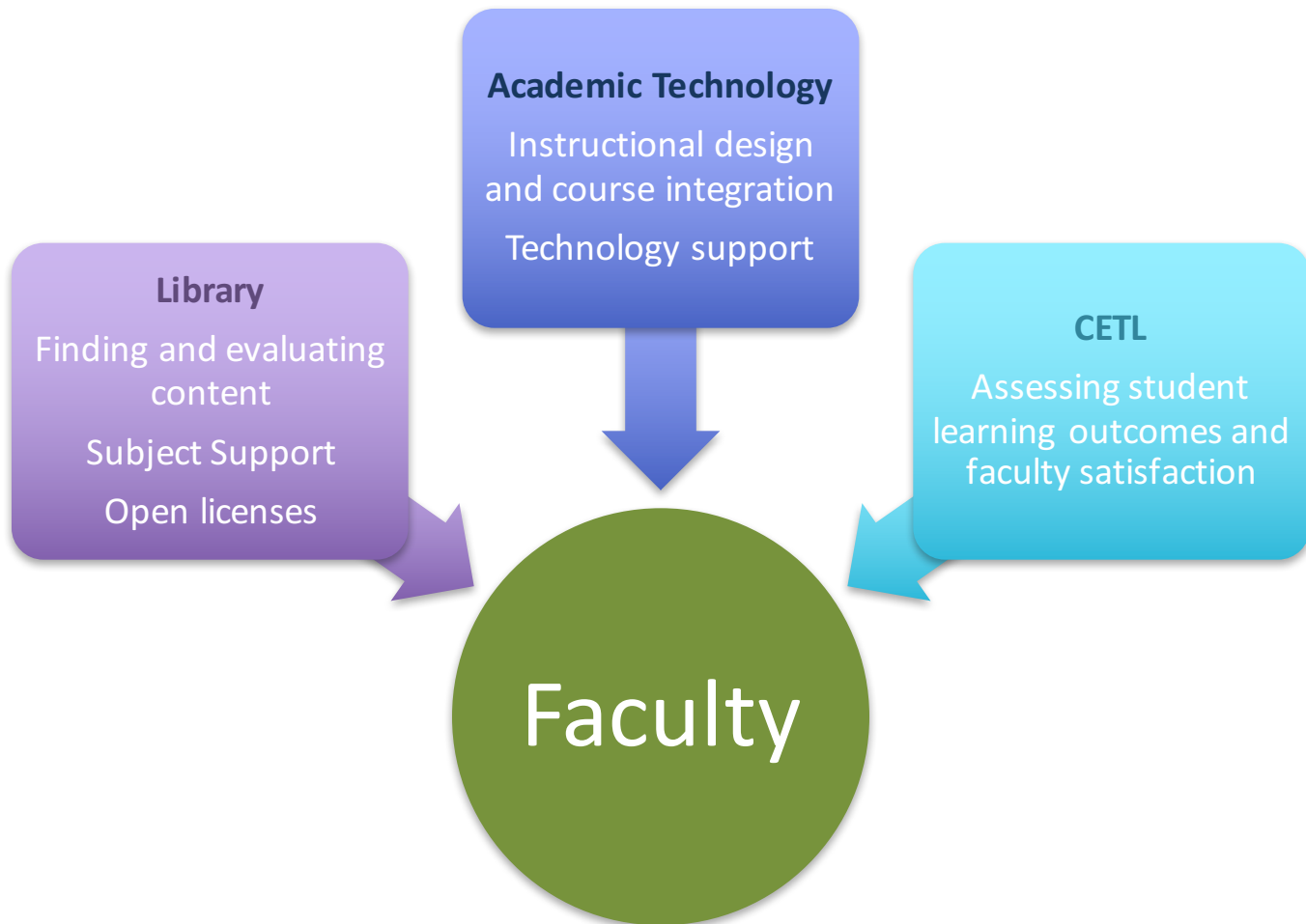
- **UNH OER Pilot**

- *What does it take to **incentivize and support** faculty to adopt OER?*
- **9** “OER Ambassadors” chosen
- **Collaboration** among Academic Technology, UNH Library, and the Center for Excellence in Teaching and Learning to support faculty and evaluate pilot

Making OER work at UNH

- OER can be found across a **network of repositories** and other websites. <http://libraryguides.unh.edu/oer>
- Finding the OER on the **right topic**, at the **right level**, and in the **right format** can be a challenge.
- **Open licenses** enable faculty to remix, combine, and customize OER to meet immediate needs.
- **UNH OER Support Teams** help faculty **find** OER, **understand** open licenses, **overcome** technical challenges, **integrate** OER into courses, and **assess** student learning outcomes.

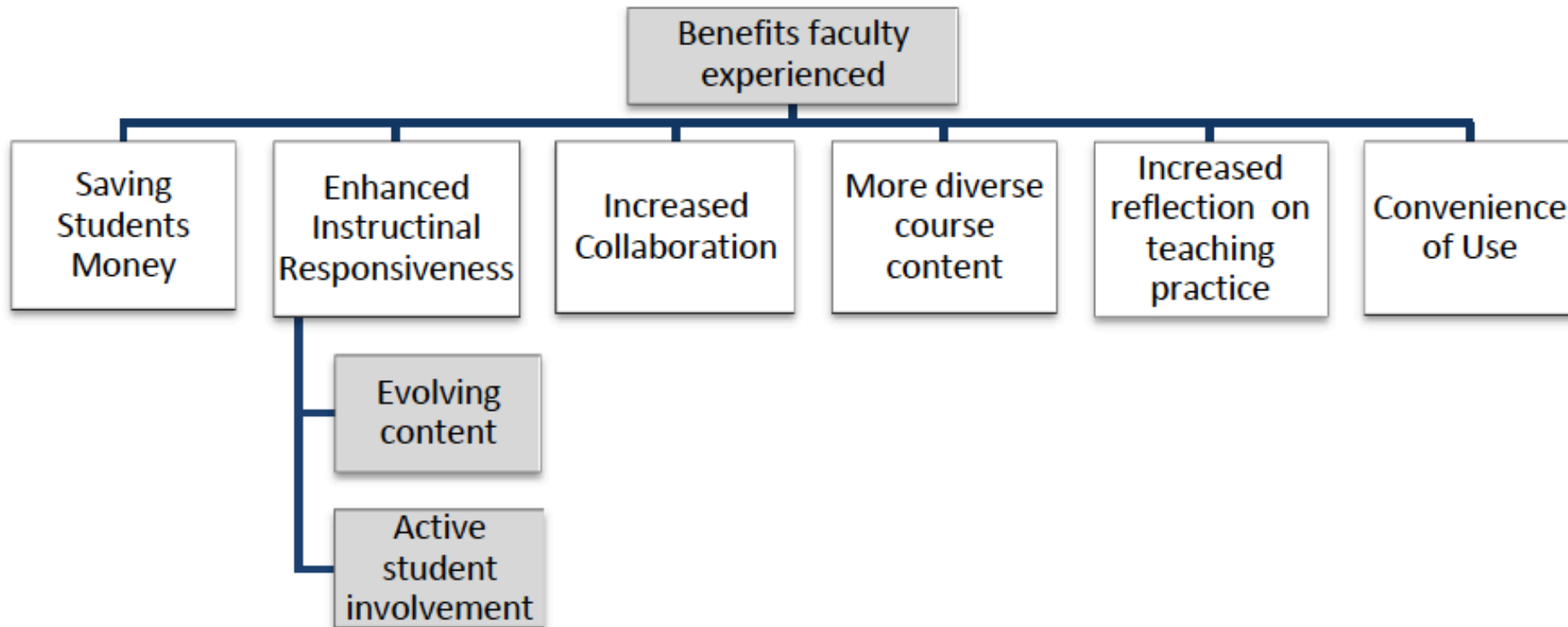
OER Support Teams



OER Pilot Results

- **About 1,040 Students saved up to \$149,407**
 - *Small financial investment (\$30,500) yields significant student cost savings*
- **Students outcomes were the same or better**
 - Exams scores were either similar to or exceeded scores from exams from previous year
- **Faculty indicated they would continue using OER**
- **Perceptions of OER**
 - **Faculty:** the time and effort were **worthwhile**
 - **Students:** **favorable** perception of cost savings, usability of materials, and exam preparation

Benefits to Faculty



Source: Boyoung Chae and Mark Jenkins, A Qualitative Investigation of Faculty OER Usage in the Washington Community and Technical College System, State Board for Community and Technical Colleges, January 2015 <http://goo.gl/dERBtX>

What are other institutions doing?

- **UMass – Amherst**

- University Libraries launched the Open Education Initiative in **Spring 2011**
- Instituted **grant program** for faculty
- Saved students over **\$1.3 Million** to date

- **Maricopa Millions OER Project**

- 2013: **Faculty** recommendation leads to support for OER by senior academic leaders across the CC district
- Development **grants**
- “No Cost” or “Low Cost” **designation** in course catalog
- Saved students over **\$5 Million** over 5 years

Building on Pilot Success

- Wrote successful **\$385,350 grant** to USNH to support growth of Open Education at Granite State College, Keene State College, Plymouth State University, and UNH based on success of UNH pilot. See proposal at [USNH Open Education Initiative](#)
- Grew 2016 OER Ambassador class to **15 faculty**
- Target **large enrollment courses** in key departments to rapidly advance OER adoption and cost savings for UNH students
- Build **OER awareness** – make OER adoption **common**

Outreach & Events

- **Student Senate** outreach
- Workshops and Training
 - CETL/Library/AT **OER Workshop** January 9
 - Library **Open Access Week** October 24-28
- **Cable Green** - Director of Open Education, Creative Commons Spring 2017

How much did you spend
On ...

Textbooks?

\$530 too much \$230 ÷ \$200 (I COULDN'T AFFORD THEM all)
\$300 \$375 \$200 \$350 \$500
\$400 \$110 \$280 \$525 \$300 \$120
\$300 \$300 \$400 \$200 \$120
\$30 \$300 \$400 \$300 \$200 \$350
\$600 \$150 \$500 \$120
\$300 \$550 \$300 \$750 \$150
\$100 \$150 \$400 \$700 \$155
\$375 \$250 \$450 ÷ \$600 \$200 too much \$360 ÷
\$100 \$130 \$250 750
\$400 \$170